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2

[An end-to-end approach to globally scalable programmable networking](#)[Micah Beck](#), [Terry Moore](#), [James S. Plank](#)

August 2003

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**Publisher:** ACM [Request Permissions](#)

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**Bibliometrics:** Downloads (6 Weeks): 2, Downloads (12 Months): 28, Downloads (Overall): 800, Citation Count: 3

The three fundamental resources underlying Information Technology are bandwidth, storage, and computation. The goal of wide area infrastructure is to provision these resources to enable applications within a community. The end-to-end principles provide ...

**Keywords:** Internet Backplane Protocol, Logistical Network Computing, active networking, asynchronous communications, distributed state management, end-to-end design, network storage, programmable networking, scalability, store and forward network

Also published in:

October 2003 **SIGCOMM Computer Communication Review** Volume 33 Issue 4

3

[Security analysis of the diebold AccuVote-TS voting machine](#)[Ariel J. Feldman](#), [J. Alex Halderman](#), [Edward W. Felten](#)

August 2007

EVT'07: Proceedings of the USENIX Workshop on Accurate Electronic Voting Technology

**Publisher:** USENIX Association**Bibliometrics:** Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downloads (Overall): n/a, Citation Count: 13

This paper presents a fully independent security study of a Diebold AccuVote-TS voting machine, including its hardware and software. We obtained the machine from a private party. Analysis of the machine, in light of real election procedures, shows that ...

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4 [Historical seismometry database project: A comprehensive relational database for historical seismic records](#)

[Andrea Bono](#)

January **Computers & Geosciences** , Volume 33 Issue 1  
2007

**Publisher:** Pergamon Press, Inc.

**Bibliometrics:** Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downloads (Overall): n/a, Citation Count: 0

The recovery and preservation of the patrimony made of the instrumental registrations regarding the historical earthquakes is with no doubt a subject of great interest. This attention, besides being purely historical, must necessarily be also scientific. ...

**Keywords:** Historical seismometry, MySQL, Oracle, Relational database project

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April 1997

Conceptual Indexing: A Better Way to Organize Knowledge

**Publisher:** Sun Microsystems, Inc.Full text available: [Pdf](#) (201.56  
KB)**Bibliometrics:** Downloads (6 Weeks): 5, Downloads (12 Months): 5, Downloads (Overall): 416, Citation Count: 20

This paper is about organizing knowledge to make it more easily accessible by people who need to use it. The paper presents a technique called "conceptual indexing" that combines techniques from knowledge representation and natural language processing ...

2 [Productive petascale computing: requirements, hardware, and software](#)[Michael L. Van De Vanter](#), [Alan Wood](#), [Christopher Vick](#), [Stuart Faulk](#), [Susan Squires](#), [Lawrence G. Voita](#)

January 2009 Productive petascale computing: requirements, hardware, and software

**Publisher:** Sun Microsystems, Inc.Full text available: [Pdf](#) (5.18  
MB)**Bibliometrics:** Downloads (6 Weeks): 3, Downloads (12 Months): 3, Downloads (Overall): 3, Citation Count: 0

Supercomputer designers traditionally focus on low-level hardware performance criteria such as CPU cycle speed, disk bandwidth, and memory latency. The High-Performance Computing (HPC) community has more recently begun to realize that escalating hardware ...

3 [Ontology and the Semantic Web](#)[Robert M. Colomb](#)

June 2007

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4 [Proceedings of the 9th international semantic web conference on The semantic web - Volume Part II](#)

[Peter F. Patel-Schneider](#), [Yue Pan](#), [Pascal Hitzler](#), [Peter Mika](#), [Lei Zhang](#)

November 2010 **I SWC'10: Proceedings of the 9th international semantic web conference on The semantic web - Volume Part II**

**Publisher:** Springer-Verlag

**Bibliometrics:** Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downloads (Overall): n/a, Citation Count: 0

5 [Architecture of a Database System](#)

[Joseph M. Hellerstein](#), [Michael Stonebraker](#), [James Hamilton](#)


February 2007 **Foundations and Trends in Databases** , Volume 1 Issue 2

**Publisher:** Now Publishers Inc.

**Bibliometrics:** Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downloads (Overall): n/a, Citation Count: 9

Database Management Systems (DBMSs) are a ubiquitous and critical component of modern computing, and the result of decades of research and development in both academia and industry. Historically, DBMSs were among the earliest multi-user server systems ...

6 [An end-to-end approach to globally scalable programmable networking](#)

 [Micah Beck](#), [Terry Moore](#), [James S. Plank](#)

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Also published in:

October 2003 **SIGCOMM Computer Communication Review** Volume 33 Issue 4

7 [Making cloud intermediate data fault-tolerant](#)

 [Steven Y. Ko](#), [Imranul Hogue](#), [Brian Cho](#), [Indranil Gupta](#)

June 2010 **SoCC '10: Proceedings of the 1st ACM symposium on Cloud computing**

**Publisher:** ACM [Request Permissions](#)

Full text available:  Pdf (14.22 MB)

**Bibliometrics:** Downloads (6 Weeks): 53, Downloads (12 Months): 312, Downloads (Overall): 312, Citation Count: 1

Parallel dataflow programs generate enormous amounts of distributed data that are short-lived, yet are critical for completion of the job and for good run-time performance. We call this class of data as intermediate data. This paper is the first ...

**Keywords:** interference minimization, intermediate data, mapreduce, replication

8 [MapReduce online](#)

[Tyson Condie](#), [Neil Conway](#), [Peter Alvaro](#), [Joseph M. Hellerstein](#), [Khaied Elmeleegy](#), [Russell Sears](#)

April      **NSDI '10**: Proceedings of the 7th USENIX conference on Networked systems design and implementation  
2010

**Publisher:** USENIX Association

**Bibliometrics:** Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downloads (Overall): n/a, Citation Count: 4

MapReduce is a popular framework for data-intensive distributed computing of batch jobs. To simplify fault tolerance, many implementations of MapReduce materialize the entire output of each map and reduce task before it can be consumed. In this paper, ...

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1 [Communications of the ACM: Volume 54 Issue 3](#)

March 2011 Communications of the ACM

Publisher: ACM

Full text available: [Digital Edition](#), [PDF](#) (11.32 MB)

**Bibliometrics:** Downloads (6 Weeks): 149, Downloads (12 Months): 149, Downloads (Overall): 149, Citation Count: 0

2 [The Internet and the Millennium Problem \(Year 2000\)](#)

P. Nesser, II

June 1999 The Internet and the Millennium Problem (Year 2000)

Publisher: RFC Editor

Full text available: [Text](#) (547.56 KB)

**Bibliometrics:** Downloads (6 Weeks): 2, Downloads (12 Months): 2, Downloads (Overall): 64, Citation Count: 0

The Year 2000 Working Group (WG) has conducted an investigation into the millennium problem as it regards Internet related protocols. This investigation only targeted the protocols as documented in the Request For Comments Series (RFCs). This investigation ...

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3 [Communications of the ACM: Volume 54 Issue 1](#)

January 2011 Communications of the ACM

Publisher: ACM

Full text available: [Digital Edition](#), [Pdf](#) (5.92 MB)

**Bibliometrics:** Downloads (6 Weeks): 1473, Downloads (12 Months): 1473, Downloads (Overall): 1473, Citation Count: 0

4 [NFS version 4 Protocol](#)

[S. Shepier](#), [B. Callaghan](#), [D. Robinson](#), [R. Thurlow](#), [C. Beame](#), [M. Eisler](#), [D. Noveck](#)

December 2000 NFS version 4 Protocol

**Publisher:** RFC Editor

Full text available:  [Text](#) (450.43 KB)

**Bibliometrics:** Downloads (6 Weeks): 1, Downloads (12 Months): 1, Downloads (Overall): 21, Citation Count: 11

NFS (Network File System) version 4 is a distributed file system protocol which owes heritage to NFS protocol versions 2 [RFC1094] and 3 [RFC1813]. Unlike earlier versions, the NFS version 4 protocol supports traditional file access while integrating ...

5 [Network File System \(NFS\) version 4 Protocol](#)

[S. Shepier](#), [B. Callaghan](#), [D. Robinson](#), [R. Thurlow](#), [C. Beame](#), [M. Eisler](#), [D. Noveck](#)

April 2003 Network File System (NFS) version 4 Protocol

**Publisher:** RFC Editor

Full text available:  [Text](#) (600.99 KB)

**Bibliometrics:** Downloads (6 Weeks): 3, Downloads (12 Months): 3, Downloads (Overall): 111, Citation Count: 15

The Network File System (NFS) version 4 is a distributed filesystem protocol which owes heritage to NFS protocol version 2, RFC 1094, and version 3, RFC 1813. Unlike earlier versions, the NFS version 4 protocol supports traditional file access while ...

6 [Concrete Type Inference: Delivering Object-Oriented Applications](#)

[Cle Agesen](#)

January 1996 Concrete Type Inference: Delivering Object-Oriented Applications

**Publisher:** Sun Microsystems, Inc.

Full text available:  [PDF](#) (684.36 KB)

**Bibliometrics:** Downloads (6 Weeks): 1, Downloads (12 Months): 1, Downloads (Overall): 199, Citation Count: 3

A dissertation submitted to the Department of Computer Science and the Committee on Graduate Studies of Stanford University in partial fulfillment of the requirements for the degree of Doctor of Philosophy. (December 1995) *Note: This document ...*

7 [Communications of the ACM: Volume 52 Issue 9](#)



September 2009

Communications of the ACM

**Publisher:** ACM

Full text available:  [Digital Edition](#),  [PDF](#) (7.28 MB)

**Bibliometrics:** Downloads (6 Weeks): 52, Downloads (12 Months): 52, Downloads (Overall): 52, Citation Count: 0

8 [Internet X.509 Public Key Infrastructure Certificate Policy and Certification Practices Framework](#)

[S. Chokhani](#), [W. Ford](#), [R. Sabett](#), [C. Merrill](#), [S. Wu](#)

November 2003    Internet X.509 Public Key Infrastructure Certificate Policy and Certification Practices Framework

**Publisher:** RFC Editor

Full text available:  (228.12 KB)

**Bibliometrics:** Downloads (6 Weeks): 3,   Downloads (12 Months): 3,   Downloads (Overall): 87,   Citation Count: 7

This document presents a framework to assist the writers of certificate policies or certification practice statements for participants within public key infrastructures, such as certification authorities, policy authorities, and communities of interest ...

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- 1 [Communications of the ACM: Volume 51 Issue 6](#)
- June 2008 Communications of the ACM
- Publisher:** ACM

Full text available: [Digital Edition](#), [Pdf](#) (8.89 MB)**Bibliometrics:** Downloads (6 Weeks): 103, Downloads (12 Months): 103, Downloads (Overall): 3106, Citation Count: 0

- 2 [Toward Reliable Off Road Autonomous Vehicles Operating in Challenging Environments](#)
- [Alonzo Kelly](#), [Anthony Stentz](#), [Omead Amidi](#), [Mike Bode](#), [David Bradley](#), [Antonio Diaz-Calderon](#), [Mike Hoppold](#), [Herman Herman](#), [Robert Mandelbaum](#), [Tom Pilarski](#), [Pete Rander](#), [Scott Thayer](#), [Nick Vallidis](#), [Randy Warner](#)
- May 2006 **International Journal of Robotics Research**, Volume 25 Issue 5-6
- Publisher:** Sage Publications, Inc.

**Bibliometrics:** Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downloads (Overall): n/a, Citation Count: 12

*The DARPA PerceptOR program has implemented a rigorous evaluative test program which fosters the development of field relevant outdoor mobile robots. Autonomous ground vehicles were deployed on diverse test courses throughout the USA and quantitatively ...*

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**Keywords:** UAV, UGV, autonomous mobility, ladar, mobile robot, motion planning, obstacle avoidance, stereo, unmanned ground vehicle

- 3 [Run-Time Reconfigurable Systems for Digital Signal Processing Applications: A Survey](#)
- [Alireza Shoa](#), [Shahram Shirani](#)
- March 2005 **Journal of VLSI Signal Processing Systems**, Volume 39 Issue 3
- Publisher:** Kluwer Academic Publishers

**Bibliometrics:** Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downloads (Overall): n/a, Citation Count: 5

*Today's digital signal processing (DSP) applications use computationally complex and/or adaptive algorithms and have stringent requirements in terms of speed, size, cost, power consumption, and throughput. Efficient hardware implementation techniques ...*

**Keywords:** DSP, FPGA, Run-Time Reconfiguration (RTR)

4 Neuroanatomical Substrates of Arabic Number Processing, Numerical Comparison, and Simple Addition: A PET Study  
Mauro Pesenti, Marc Thioux, Xavier Seron, Anne De Volder

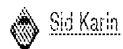
May **Journal of Cognitive Neuroscience**, Volume 12 Issue 3  
2000

**Publisher:** MIT Press

**Bibliometrics:** Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downloads (Overall): n/a, Citation Count: 13

Positron emission tomography was used to localize the cerebral networks specifically involved in three basic numerical processes: arabic numeral processing, numerical magnitude comparison, and retrieval of simple addition facts. Relative cerebral blood ...

5 Proceedings of the 1995 ACM/IEEE conference on Supercomputing (CDROM)



December **Supercomputing '95: Proceedings of the 1995 ACM/IEEE conference on Supercomputing (CDROM)**  
1995

**Publisher:** ACM

**Bibliometrics:** Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downloads (Overall): n/a, Citation Count: 0

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